

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/518154

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number  
WO 03/106368 A1(51) International Patent Classification<sup>7</sup>: C04B 24/38, (74) Agent: VINDENES, Magne; Elkem ASA Patent Department, P.O. Box 8040 Vågsbygd, N-4675 Kristiansand (NO).

(21) International Application Number: PCT/NO03/00135

(22) International Filing Date: 24 April 2003 (24.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
20022884 17 June 2002 (17.06.2002) NO

(71) Applicant (for all designated States except US): ELKEM ASA [NO/NO]; Hoffsvien 65B, N-0377 Oslo (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DINGSØYR, Eldar, O. [NO/NO]; Tjønneheia 1, N-4640 Søgne (NO). DÁSTØL, Magne [NO/NO]; Marviksveien 91, N-4632 Kristiansand (NO). OLDENZIEL, Cor [NL/NL]; Taborstraat 12, NL-3061 EW Rotterdam (NL). VASSØY, Bjørn [NO/NO]; Fagerstølveien 8, N-4027 Stavanger (NO).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 03/106368 A1

(54) Title: SILICON OXIDE SLURRY AND METHOD FOR PRODUCING SUCH SLURRY

(57) Abstract: The present invention relates to a slurry containing water, amorphous silica particles having a particle size less than 1  $\mu\text{m}$  and silica flour with particle size between 2 - 200  $\mu\text{m}$ . In order to stabilize the slurry, the slurry contains a polysaccharide. The invention further relates to a method for the production of a slurry containing water, amorphous silica having a particle size below 1  $\mu\text{m}$ , and silica flour with a particle size between 2 - 200  $\mu\text{m}$ , where a polysaccharide is added to a slurry of water and amorphous silica, whereafter the silica flour is mixed into the slurry of amorphous silica.